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# Protein Tyrosine Kinase

National Cancer Institute

## Source

National Cancer Institute. *Protein Tyrosine Kinase*. NCI Thesaurus. Code C17020.

Kinases that phosphorylate protein tyrosine residues. These kinases play major roles in mitogenic signalling, and can be divided into two subfamilies: receptor tyrosine kinases, that have an extracellular ligand-binding domain, a single transmembrane domain, and an intracellular tyrosine kinase domain; and nonreceptor tyrosine kinases, which are soluble, cytoplasmic kinases. (Dictionary of Cell and Molecular Biology Online)